

Human MHC class I polypeptide related sequence A ELISA Kit | MICA elisa kit

Human MHC class I polypeptide related sequence A ELISA Kit

CATALOG #
AAA85503

REACTIVITY
Human

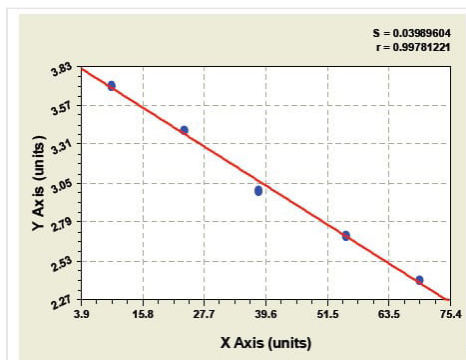
PRODUCT SYNONYMS

MHC class I polypeptide related sequence A; Human MHC class I polypeptide related sequence A ELISA Kit; MICA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MICA elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This MICA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MICA. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY MICA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MICA antibody and an MICA-HRP conjugate. The assay sample and buffer are incubated together with MICA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MICA concentration since MICA from samples and MICA-HRP conjugate compete for the anti-MICA antibody binding site. Since the number of sites is limited, as more sites are occupied by MICA from the sample, fewer sites are left to bind MICA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MICA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MICA elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	294660768
NCBI GeneID	100507436
NCBI Accession #	NP_001170990.1
NCBI GenBank Nucleotide #	NM_001177519.2
Molecular Weight	31,577 Da
NCBI Official Full Name	MHC class I polypeptide-related sequence A isoform 2 (MICA*00801)
NCBI Official Synonym Full Names	MHC class I polypeptide-related sequence A
NCBI Official Symbol	MICA
NCBI Official Synonym Symbols	MIC-A; PERB11.1
NCBI Protein Information	MHC class I polypeptide-related sequence A; HLA class I antigen; stress inducible class I homolog; MHC class I chain-related protein A
UniProt Protein Name	MHC class I polypeptide-related sequence A
UniProt Gene Name	MICA
UniProt Synonym Gene Names	PERB11.1; MIC-A
UniProt Entry Name	MICA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mica-human-elisa-kits/mhc-class-i-polypeptide-related-sequence-a/85503>